

## **CARDIAC DISEASE TREATMENT AND DEVICE**

### **ABSTRACT OF THE DISCLOSURE**

5       A jacket of biological compatible material has an internal volume  
dimensioned for an apex of the heart to be inserted into the volume and for the  
jacket to be slipped over the heart. The jacket has a longitudinal dimension  
between upper and lower ends sufficient for the jacket to surround a lower portion  
of the heart with the jacket surrounding a valvular annulus of the heart and further  
surrounding the lower portion to cover at least the ventricular lower extremities of  
10       the heart. The jacket is adapted to be secured to the heart with the jacket  
surrounding at least the valvular annulus and the ventricular lower extremities.  
The jacket is adjustable on the heart to snugly conform to an external geometry of  
the heart and assume a maximum adjusted volume for the jacket to constrain  
circumferential expansion of the heart beyond the maximum adjusted volume  
15       during diastole and to permit unimpeded contraction of the heart during systole.

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